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NOTICE OF ALLOWANCE AND FEE(S) DUE

22850

7590

05/21/2009

OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314

EXAMINER

SEIFU, LESSANEWORK T

ART UNIT PAPER NUMBER

1797

DATE MAILED: 05/21/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/564,434	06/19/2006	Miezi Sugiyama	284583US0PCT	7436

TITLE OF INVENTION: FIXED BED MULTITUBE REACTOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	08/21/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notificat	correspondence including below or directed other tions.	ng the Patent, advance on herwise in Block 1, by (a	ders and notification of many specifying a new corresponding to the corr	naintenance fees will condence address; and	be mailed to the current d/or (b) indicating a sepa	correspondence address as arate "FEE ADDRESS" for
CURRENT CORRESPONDI 22850	ENCE ADDRESS (Note: Use Bl	/2009	Fee() pape have	s) Transmittal. This cers. Each additional paits own certificate of	rtificate cannot be used for per, such as an assignmentalling or transmission.	or domestic mailings of the for any other accompanying int or formal drawing, must mission g deposited with the United st class mail in an envelope above, or being facsimile late indicated below.
ALEXANDRIA	, VA 22314		addr trans	essed to the Mail St mitted to the USPTO	op ISSUE FEE address (571) 273-2885, on the d	above, or being facsimile ate indicated below.
						(Depositor's name)
			<u> </u>			(Signature)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATT	TORNEY DOCKET NO.	CONFIRMATION NO.
10/564,434	06/19/2006		Miezi Sugiyama	Al	284583US0PCT	7436
FITLE OF INVENTION	: FIXED BED MULTIT					1
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FE	E TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	08/21/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS			
SEIFU, LESSA	ANEWORK T	1797	422-197000			
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ND RESIDENCE DATA less an assignee is identi h in 37 CFR 3.11. Comp	" Indication form ted. Use of a Customer A TO BE PRINTED ON T	(1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent attor listed, no name will be part of the PATENT (print or typ data will appear on the part a substitute for filing an attack).	ely, e firm (having as a megent) and the names of news or agents. If no rorinted. e) tent. If an assignee issignment.	mber a 2f up to lame is 3s identified below, the d	ocument has been filed for
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Advance Order - #	# of Copies		The Director is hereby overpayment, to Depos	authorized to charge t it Account Number _	he required fee(s), any de (enclose a	eficiency, or credit any n extra copy of this form).
a. Applicant claims	tus (from status indicated s SMALL ENTITY statu	is. See 37 CFR 1.27.	☐ b. Applicant is no long			
NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if requeecords of the United Sta	uired) will not be accepted tes Patent and Trademark	d trom anyone other than the Office.	e applicant; a register	ed attorney or agent; or th	ne assignee or other party in
Authorized Signature				Date		
Typed or printed name						
This collection of inform an application. Confident submitting the completed this form and/or suggesti Box 1450. Alexandria, V	ation is required by 37 C tiality is governed by 35 I application form to the tons for reducing this but iroinia 22313-1450.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the	on is required to obtain or re 1.14. This collection is esti depending upon the indivi e Chief Information Office COMPLETED FORMS TO	etain a benefit by the p mated to take 12 minu dual case. Any comm r, U.S. Patent and Tra D.THIS ADDRESS SI	ublic which is to file (and tes to complete, including tents on the amount of ti- demark Office, U.S. Dep END TO: Commissioner	d by the USPTO to process) ag gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450.

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10/564,434	06/19/2006	Miezi Sugiyama	284583US0PCT	7436
22850 75	22850 7590 05/21/2009		EXAMINER	
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1940 DUKE STREET			ART UNIT	PAPER NUMBER
ALEXANDRIA, VA 22314		1797		
			DATE MAILED: 05/21/200	Q

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 201 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 201 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)			
	10/564,434	SUGIYAMA ET AL.			
Notice of Allowability	Examiner	Art Unit			
	Lessanework Seifu	1797			
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 1. ☑ This communication is responsive to the RCE filed on May	(OR REMAINS) CLOSED in or other appropriate commu GHTS. This application is s and MPEP 1308.	this application. If not included nication will be mailed in due course. THIS			
2. ☑ The allowed claim(s) is/are <u>1-6 and 8-12</u> .					
3. ☑ Acknowledgment is made of a claim for foreign priority ur a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☑ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Applicatio	n No			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm	IENT of this application. itted. Note the attached EXA	MINER'S AMENDMENT or NOTICE OF			
INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Su Paper No./l 7. ☐ Examiner's	formal Patent Application Jummary (PTO-413), Mail Date Amendment/Comment Statement of Reasons for Allowance			

Application/Control Number: 10/564,434 Page 2

Art Unit: 1797

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on May 5, 2009 has been entered.

Allowable Subject Matter

- 2. Claims 1-6 and 8-12 allowed.
- 3. The following is an examiner's statement of reasons for allowance: Claims 1-6 and 8-12 are allowed because the prior art failed to disclose or suggest a fixed-bed multitubular reactor as called for in claim 1 and method for conducting a gas-phase catalytic oxidation reaction by oxidizing a gas in the reactor of claim 1. Specifically, the prior art failed to disclose or suggest the feature of heat-medium bath temperature measures being equipped corresponding to the catalyst temperature measures so that the measurement positions of the heat-medium bath temperature measures are set at the same height as the measurement positions of the catalyst temperature measures.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably Application/Control Number: 10/564,434 Page 3

Art Unit: 1797

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lessanework Seifu whose telephone number is (571)270-3153. The examiner can normally be reached on Mon-Thr 7:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Walter Griffin can be reached on 571-272-1447. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/L. S./ Examiner, Art Unit 1797

/Walter D. Griffin/ Supervisory Patent Examiner, Art Unit 1797